

What is claimed is:

1. An antibacterial glass composition containing 0.1 to 5.0% by weight of  $\text{Ag}_2\text{O}$  in a glass composition containing 30 to 60 mol% of  $\text{P}_2\text{O}_5$ , 1 to 15 mol% of one or more compounds selected from the group consisting of  $\text{K}_2\text{O}$ ,  $\text{Na}_2\text{O}$  and  $\text{Li}_2\text{O}$ , 35 to 55 mol% of one or more compounds selected from the group consisting of  $\text{MgO}$ ,  $\text{CaO}$  and  $\text{ZnO}$ , and 0.01 to 3 mol% of one or more compounds selected from the group consisting of  $\text{La}_2\text{O}_3$  and  $\text{Y}_2\text{O}_3$ .

2. An antibacterial polymer composition prepared by forming a composite of a polymer material with the antibacterial glass composition according to Claim 1.

3. The antibacterial polymer composition according to Claim 2, wherein the polymer material is a synthetic resin material comprising a thermoplastic resin or a thermosetting resin.

4. The antibacterial polymer composition according to Claim 3, wherein the thermoplastic resin is any one of polypropylene, polyethylene and ABS.

5. An antibacterial polymer composition prepared by forming a composite of a polymer material containing an

inorganic filler with the antibacterial glass composition according to Claim 1.

6. The antibacterial polymer composition according to Claim 5, wherein the polymer composition containing the inorganic filler is an acrylic resin or an unsaturated polyester resin.